

PATENT ABSTRACTS OF JAPAN

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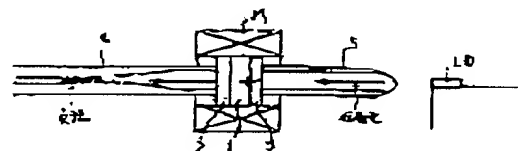
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(54) INLINE TYPE OPTICAL ISOLATOR

(57)Abstract:

PURPOSE: To realize an optical isolator for a spherically pointed coupling semiconductor laser of a small size and high performance.

CONSTITUTION: Both ends of an optical isolator element constituted of an integrated structure formed by tightly holding a Faraday rotor 1 by polarizing elements 2, 3 are tightly connected and fixed by core expanded fibers 4, 5 and the front end of the core expanded fiber 5 on which the light of the semiconductor laser LD is made incident is formed as a spherically pointed fiber, by which this inline type optical isolator is obtd.



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